



CIVIL TECH LABS

3, 1st Cross, Sankasa Colony, Mission Road, Bangalore - 560 027
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TEST REPORT TEST ON CEMENT

Name & address of the Customer	ARE, Yelahanka Sub Division, BSSMP
Name of Work	Improvements to drains in Punenahalli KHD colony in Ward No. 02.
Name of the Agency	Sri: Shival Kumar N.
Date of Testing	14/01/2018

Tests	Test Method As Per IS & Apparatus		Results		Requirements as Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-3) 1988	VICAT	51	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-3) 1988	VICAT	482	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	J	mm	Not More Than 10 mm	Satisfies Requirement

Notes:

1. The results refer only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are listed in the list conducted on samples supplied by the client.

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Shival Kumar

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TEST REPORT

TEST ON FINE AGGREGATES Ref: 362/2086

Name & Address of the Customer	ARIL, Yelahanka Sub Division, 193811
Name of Work	Improvements to drains at Pottanahalli KHB colony in Ward No. 02
Name of the Agency	Sri. Shivakumar N
Date of Testing	14/01/2015
Specific Gravity	2.56

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	100	100	100	100	100	II
	4.75	98.2	90-100	90-100	90-100	95-100	
	2.36	84.5	60-95	75-100	85-100	95-100	
	1.18	74.2	30-70	55-90	75-100	90-100	
	0.6	42.6	15-34	35-50	60-79	80-100	
	0.3	22.7	5-20	8-30	12-40	15-50	
	0.15	8.4	0-10	0-10	0-10	0-15	

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm $\downarrow$ Graded Ref IS:383/2386

Name & Address of the Customer	AEE, Yelabanka Sub Division, HAMP
Name of Work	Improvements to drains at Pattanaiah KHE colony B Ward No. 02.
Name of the Agency	Sri. Shivakumar N
Date of Testing	14/01/2015
Specific Gravity	2.68
Water Absorption in %	0.29

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Revised 2011)	Remarks
80	100	100	Satisfies the requirement
40	97.8	95-100	
20	53.4	30-70	
10	24.6	10-35	
4.75	3.4	0-5	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	ARE, Velachanka Sub-Division, BBMP
Name of Work	Improvements to drains at Puttenahalli RHR colony in Ward No- 02
Name of Agency	Sri. Shrivakumar N
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm ²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (kg)	Failure Load (kN)	Compressive Strength (N/mm ²)	Avg Compressive Strength (N/mm ²)
1	CC Works	16/01/2015	23/01/2015	7	8.18	485	21.56	21.78
2					8.19	498	21.78	
3					8.20	495	22.00	

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4. The results are based on the test conducted on samples supplied by the customer.

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